



WORLDWIDE TV-FM DX ASSOCIATION
PO BOX 501 - SOMERSVILLE, CT 06072

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VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

FEBRUARY 2000

**MORE FM LOCALS?
LPFM
IS COMING!**

WORLDWIDE TV-FM DX ASSOCIATION

Serving the VHF-UHF Enthusiast

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCASTING SIGNALS AT VHF AND UHF. WTFDA IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

Editor/Publisher: Bill Thompson

Circulation: Mike Bugaj *Comptroller:* Dave Janowiak

Editorial Staff: Tom Bryant, Greg Coniglio, Victor Frank, George W. Jensen, Jeff Kruszka, Fred Nordquist, Doug Smith, Thomas J. Yingling, Jr., John Zondlo

ANARC Representative: Jim Thomas *Back Issues:* Dave Nieman

Original Cover Design: Harry Hayes

FROM THE STAFF:

PRESS RELEASE (prepared by Jim Thomas):

The Worldwide TV-FM Dx Association is proud to announce the release of the 2000 Television Station Guide. The 2000 Television Station Guide is a 8.5" X 11", 185 page (punched for a 3-ring binder) loose leaf directory of every television station in the United States, Mexico and Canada. Compiled by the Association's *TV News* editor, Doug Smith, the directory catalogues both regular television stations as well as television station translators. Section one catalogues channels numerically, with each channel listing stations and translators alphabetically by state. **The second section is in a Channel Map format.**

The Guide will be shipping from the printers about March 1. Prior to that, the Association is accepting 'pre-press' orders up to March 1, at a special pre-publication price of \$17.95, which includes shipping and handling. After March 1, the regular hobby & technical price will be \$19.95, while the retail bookshelf price will be \$23.95. (All prices quoted are U.S.) If you're interested in ordering the 2000 Television Station Guide, mail a check or money order for the total amount of the quantity you would like to: Worldwide TV-FM Dx Association, P.O. Box 501, Somersville, CT 06072. If you'd like to see a couple of sample pages, just send a SASE.

For more information, you can e-mail the Association at <ikon@netcom.com>. The Association also has a couple of sites worth checking out on the Worldwide Web. The official site is <www.anarc.org/wtfd>. A couple of member sites that promote the Worldwide TV-FM Dx Association are *Mike Bugaj's* <<http://pages.cthome.net/fmdx/>> and *John Zondlo's* <<http://members.aol.com/fmdxweb>>.

Your Board of Directors wants you to know that a tremendous amount of time and energy has gone into preparation of this publication. It was inspired by a similar WTFDA publication about 20 years ago. Since that time there have been many requests for an update; and finally, those wishes are being fulfilled. Thanks to all who participated in the project, the "TV Station Guide" will be in your hands in time for the summer E-skip season.

SPEAKING OF SKIP: The winter Es season got started a bit late and produced spotty results. While there were reported loggings almost everywhere on the continent, the midwest and northeast sections of the U.S. seemed to be favored. Except for scattered areas along the gulf coast and eastern seaboard, Tr loggings have been sparse.

IN BRIEF: WFTDAers worldwide chat every Tuesday and Friday on IRCnet. Also, the number of participants in the club's e-mail/web bulletin board is approaching 90. For more information, or help getting started, contact Mike Bugaj at the e and snail mail addresses above.

WTFDA MAILBOX



P.O. Box 501
Somersville, CT 06072

Mike Bugaj

Ikon@netcom.com

THIS IS WINTER?

The calendar says it is, but in many places across the United States the temperatures are a little bit warmer than it should be this time of year. And snow...many places up north are setting new records for lack of snowfall. But what we lacked in snow we made up in flu cases. Hope you had a flu-less winter!



Guess Who

Again this month we have two more new members. Let's all welcome James Brann from Chapel Hill, NC, and Eldon Geiman of Greencastle, PA into the club. Believe me when I say we are really glad to have the two of you here! If there is anything we can do for you, just drop us a line (or an email).

Checking the mail for this month we have renewals received from Jon Erdner, Gil Morgan, Dave Markson, Tom Yingling, Larry Marecki, Neil Griffin, Charles Burnham, Jim Thomas, Giovanni Bellabarba, Melvyn Larson, Tom Bryant, Mike Reid, Keith Smith, Ken Onyschuk, and Al Germond. Thanks for taking the time to renew for another year. Hope some of you caught one or two Es openings that occurred in Early January, a little late, but welcomed anyway.

THE TV STATION GUIDE IS READY! It was back in the December, 1998 Mailbox where I happened to mention the old WFTDA TV Station Guide published by Bill Fahber and a group of WFTDA members. And I happened to mention that the guide is still missed by people to this date. Well, that started something, and what it started is the beginning of the brand new WFTDA TV Station Guide of U.S., Canadian and Mexican Television Stations. During the month of February, if you have \$17.95, you can have one for yourself. After March 1st, the price goes up to \$19.95 for hobbyists and \$23.95 in the stores. The channel maps are there...my favorite section of the old guides. Although I had a small part if all this, the people who really should get the credit are Doug Smith for doing the maps and supplying the raw data, and Jim Thomas who sent out press releases to over 200 newspapers. Without these two guys, there would be no station guide. Anyway, send your check or money order for the correct amount to P.O. Box 501, Somersville, CT 06072. Include your email address with your order and I'll notify you when we get your check. As of January 11th we've had almost ten advance orders.

EUROPE VIA MULTI-HOP E-SKIP! Last time we mentioned that it is theoretically possible to pick up multi-hop E Skip from Europe on the East Coast of the United States. We also mentioned that 87.9 was a logical place to look because it's completely open here. Well, here is a list of European FM stations on that frequency: France Inter, Toulouse with 72kW, MDR Kultur, Inselberg (Germany) with 60kW, NDR-4, Heide (Germany) with 15kW, NOS-2, Goes (Holland) with 15.1kW, RDP-1, Lousa (Portugal) with 44kW, RNE-2, Alfabia (Spain) with 100kW, RNE-4, Alpicat with 80kW, SR-1, Orebro (Sweden) with 60kW, and SR-1, Ostersund with 80kW. Three of these stand out as the most probable for multi-hop Es: Toulouse, France with 72kw, Portugal with 44kw and Spain with 80kw and 100kw. One of the habits that will probably be really hard to break is the habit that we easterners have of never pointing our antennas eastward. I know most of the time mine is pointed southwest. However, this summer I will deliberately take my old Finco ten-element yagi and my Carver TX-11 and keep it set to 87.9 with the antenna pointed out into the ocean. Want to join me?



Subscribe to the WFTDA Email list/reflector
Send a blank email (nothing in the subject line or message body) to:
WTFDA-subscribe@topica.com

LOTS OF F2 INFO. F2 skip seems to have died down now, but back around Thanksgiving it was going hot and heavy. If you were on the WTFDA list you saw the posts. Bob Cooper posted quite a bit of good info on F2, and here is some of it: "There seems to be an element missing in the F2 transcon reports. The normal F2 single hop range is around 2,500 miles at MUF - give or take a few hundred miles as a function of height of the layer and layer tilt. The key phrase here is "at MUF." The higher the MUF, the shorter the skip distance at a specific frequency below MUF. For example, if it shortens to 2,000 miles at 42 MHz, this indicates a MUF at 2500 miles of near 50 MHz. When you are hearing the California/Oregon 42 MHz stuff in Connecticut, that suggests the MUF is more or less 42-43 MHz - being 2,500 miles or so. When people in Ohio begin having 42 MHz from California (2,000 miles), the MUF between Ct and California will be close to 50 MHz. For the MUF to rise to 60 MHz on F2, the 42 MHz stuff will shorten up to around 1,500 miles (approaching the limit of Es single hop) while 50 MHz signals will be down to around 2,000 miles or less. From the west coast, listening on 42 MHz will suggest channel 2 MUF when they begin to hear stations in the upper Mississippi valley region. Or, listening on 50 MHz / 6 meters they would hear stations as close as Indiana/Illinois. The last time this happened was in December 1958. From Connecticut, 42 MHz signals from east Texas and Oklahoma/Kansas would be an indicator; 6 meter signals from New Mexico, Colorado give or take a state. YES - as the 42 MHz shortens down to 1500 miles, there is the possibility of confusing Es with F2. The F layer signals will traditionally be much stronger and have very erratic fading whereas at that maximum Es distance the signals would be weak and exhibit slower fading. Traditionally, the highest MUFs occur across the very northern tier of states and lower Canada, not from southern California to Florida (for example)."

HI CHARLIE! Recently Tom Bryant and I welcomed Charles Tumosa to the WTFDA reflector and Charlie sort of introduced himself. Charles' email address is that of the Smithsonian Institution, and Charles' occupation is that of a research chemist. It's amazing to look over the WTFDA membership and see what the members do for a living. You would think that most of us are connected to the radio or television industry, but nope, we're all over the place. Charles writes "My interest is TV Dx and the occasional AM bout when the VHF/UHF is quiet (I do that in moments of weakness during the winter also -mb). I use an old B&W 9 inch Zenith and an ICOM R8500 to see what's out there. In the past two years only about 200 TV stations since I live in the bottom of a valley with a hill to my back. But, I'm determined. I use an old Radio Shack deep fringe antenna. I did some TV DX when I was in high school (1958-1962) and have some neat Brownie photos of CMQ, WTHS etc. from the old days. I just started up again I guess out of nostalgia. It beats actually watching the TV programs. My QTH is Timonium MD just north of Baltimore." (Hmm, looking at your high school dates I see I graduated three years after you -mb)

THUMBS UP FOR GREG! Received a membership renewal and a nice handwritten letter (which is a nice change from email) from Ken Onyschuk. Ken writes "I don't DX FM much but I like the FM News that Greg Coniglio edits. My receivers are the GE Superadio II and the Grundig Yacht Boy 305. (Just an aside here. I have the SR-III and I love it; I think Saul Chernos has a Yacht Boy which he likes a lot also- Mike). I've had a problem with the Yacht Boy on FM. I believe the FM antenna screw in the rear of the radio fell out. I replaced it but lost the "Dxability" of it. It's great on AM but the FM is good for local signals only. I bought it "as-is" one and a half years ago for \$70. It really confuses me that I've lost the "Dxability" of it." Ken, I'm just wondering if you lost your connection to the whip when the screw fell out. Your AM section would work normally, but without an antenna for FM you'd be left listening to your local stations and only your locals. Maybe someone reading this and familiar with the Yacht Boy can help.

Ken continues: "Fellow DXAS member Don Wilkerson and neighbor ... both blind - own the new C. Crane portables. Dxer Tom Jasinski and I visited them New Years Day in Calumet City, IL and tested their radios... very good for \$159.95. FM is great. Eventually I hope to own one."

I also enjoy the TV news column - can't find that anywhere else either. My TV is a simple 12" B/W portable I got from a rummage sale that doesn't get all channels. Eventually I'll get a better one. Funds are too tight to spend freely for some to go. But getting the VUD each month is welcome. I do update the TV news into a 1996 Broadcasting Yearbook I bought at a University book sale for 25 cents!!! Well, we all know you can get some fantastic DX stuff at garage sales and flea markets for almost nothing. I could write 4 book about the tuners I got for almost nada. Maybe I will sometime. Thanks for the letter, Ken! Write!



The GE SR-III



WTFDA



QSL CORNER/LOGOS RUN



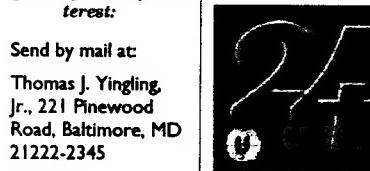
Special points of interest:

Send by mail at:

Thomas J. Yingling,
Jr., 221 Pinewood
Road, Baltimore, MD
21222-2345

E-Mail at:

KA3TCC@EROL.S



continued on page 17...

TV News

Douglas E. Smith W9WI
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098
W9WI@bellsouth.net

February 2000
non-commercial station
nc no change

<http://personal.bellsouth.net/~w9wi>

Applications for new stations

These are applications for new DTV stations, showing their analog and digital channels:

AL	Troy	WRJM 63=>48	NC	High Point	WGHP 8=>35
AR	El Dorado	KTVE 10=>27		Linville	WUNE 17=>54
CA	Fort Bragg	KFWU 8=>15		Winston-Salem	WUNL 26=>32
	Huntington B.	KOCE 50=>48	ND	Pembina	KNRR 12=>15
	Monterey	KION 46=>32	NH	Derry	WNDS 50=>35
	Rancho Palos	KRPV 44=>51	NV	Las Vegas	KFBT 33=>29
	Verdes				KTNV 13=>12
	Sacramento	KSPX 29=>48	NY	New York C.	WNYE 25=>24
CO	Colo. Springs	KRDO 13=>24		Schenectady	WEWB 45=>43
	Grand Jctn.	KJCT 8=>7		Springville	WNDS 67=>46
	Sterling	KTVS 3=>23		Utica	WFXY 33=>27
CT	Waterbury	WTXX 20=>12	OK	Oklahoma City	KOKH 25=>24
DE	Wilmington	WHYY 12=>55	OR	Medford	KTVL 10=>35
FL	Ft. Lauderdale	WSCV 51=>52	PA	Erie	WJET 24=>58
	Miami	WPBT 2=>18		Reading	WTVE 51=>25
	Tampa	WEDU 3=>54		Scranton	WVIA 44=>41
		WUSF 16=>34	PR	Aguada	WQHA 50=>62
GA	Athens	WHOT 34=>48	SD	Sioux Falls	KELO 11=>32
HI	Honolulu	KBFD 32=>33	TN	Nashville	WUXP 30=>21
	Kailua Kona	KLEI 6=>25	TX	Beaumont	KFDM 6=>21
IN	Evansville	WEHT 25=>59		Jacksonville	KETK 56=>22
	Gary	WPWR 50=>51		Laredo	KVTY 13=>14
KS	Topeka	TKTA 49=>48		Midland	KUPB 18=>18?
KY	Beattyville	WLJC 65=>7		Port Arthur	KBTY 4=>40
	Campbellsville	WWWB 34=>19	VA	Hampton	WVEC 13=>41
LA	Baton Rouge	WLPB 27=>25	VI	C. Amalie	WVXF 17=>48
MS	Greenwood	WABG 6=>54		Christiansted	WPXO 15=>15?
MT	Hardin	KHMT 4=>22	WV	Oak Hill	WOAY 4=>50

There have also been a number of applications for new NTSC stations in Canada:

BC	Campbell River	Ch. 4/6.68KW, to relay "A-Channel BC" ch. 53 Victoria
BC	Fraser Valley Region:	Ch. 66/18KW, for a religious station
BC	Vancouver:	Ch. 17/44KW, to relay the independent ch. 53 in Victoria
BC	Vancouver:	Ch. 42/30.7KW, for an ethnic station, owned by CFMT 47
BC	Vancouver:	Ch. 42/430KW, for an independent station
BC	Vavenby:	Chs. 6/7/12, all 10 watts, to relay the Knowledge Network, CFJC [4], and CHKM [6] respectively
BC	Victoria:	Ch. 53/18.4KW, ethnic // CFMT's Vancouver ch. 42
BC	Victoria:	Ch. 53/12KW, for an independent station
BC	Victoria:	Ch. 53/779.3KW, for an independent ("A-Channel BC")
BC	Victoria:	Ch. 43/3KW, for a DTV station to relay the above channel 53 NTSC station.

The last application above is the first application for a DTV station in Canada. The CRTC says "The Commission notes that it is not in a position to consider issues relating to digital television broadcasting at this time. Consequently, the Commission will not consider this aspect of the application at the hearing."

Construction permits granted for new stations

One permit has been issued this month for a new NTSC station. Channel 39z will be used by Community TV Educators for a station at Phoenix, Arizona. The facilities are 1065KW @ 942m, at 33-16-24N/112-16-48W. This is about 25km west-southwest of the main Phoenix tower farm on South Mountain.

I don't see any new permits issued for new DTV stations. I suppose we'll see a bunch of them next month though, as the flood of applications dies down and the Commission has to act on them.

Applications to change existing stations

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
CA	42+		917	Los Angeles	KWHT-DT		
NJ	65-	4080	391	Vineland	WHSP-TV	40-02-30	75-14-24
NH	32+	427	1231	Albuquerque	KAZQ		
NY	67+	5000	415	Springville	WNGS	42-37-32	78-37-18
PA	16z	1700	297	Pittsburgh	WQEX	40-23-34	79-46-54
WI	12z	251	326	Milwaukee	WISN-TV		

The proposed WHSP-TV tower would be in Philadelphia, PA.

Changes granted to existing stations

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
CA	56-	2510	917	Anaheim	KDOC-TV	34-13-36	118-03-58
CA	18-	2375	944	Long Beach	KSCI	34-15-37	118-03-58
CA	62z	2472	922	Riverside	KRCA	34-12-48	118-03-41
CT	61+	4990	611	Hartford	WTIC-TV	41-42-19	72-49-51
GA	34+	5000	364	Baxley	WGSA	32-00-05	81-51-15
MA	4+		353	Boston	WBZ-TV		
MT	11+	9.06		Missoula	KUFN-TV		

LPTV Displacement Applications

FL	Orlando	WTWD-LP 62=>16-	NC	Goldsboro	W59BA 59=>67z
MI	Battle Creek	WOBC-LP 20=>14+			WHFL-LP 56=>67z
NC	Charlotte	W34BN 34=>6-	PA	Hawley	WWPS-LP 8=>26z

LPTV Displacements Granted

CO	Denver	K55IO 69=>55z	MO	Washington	K53GD 52=>53
ME	Portland	WLOB-LP 45=>15	NC	Shallotte	W47CK 45=>47-
MI	Flint	W54DA 30=>54-	NE	Lincoln	K58GD 39=>58-
MN	Minneapolis	K14KH 69=>14n	NM	Hatch	K28GJ 65=>28
MO	Warren	K32FH 53=>32n	NM	Silver City	K28GK 12=>28
	Washington	K41FL 63=>41z	UT	Delta	K31FG 64=>31

LPTV Displacements On Air

AR	Little Rock	KHUG-LP 46=>44+	NC	Fayetteville	W66DF 53=>66
CA	Inland Empire	KHTV-LP 38=>48	NV	Greenville	W60CV 54=>60
	Redding	KRUV-LP 22=>21z		Elko	K55IK 69=>55n
	San Francisco	KBTB-LP 30=>28			K23FC 67=>23n
CO	Durango	K25GE 66=>25n	SD	Aberdeen	K35FJ 20=>35z
	Pueblo	K34FB 24=>34n	TN	Memphis	W44BS 36=>44-
DC	Washington	WMDO-LP 48=>30z	TX	Leakey	K70FD/K72DN/K74DP
IA	Muscatine	K62FU 52=>62-			K43GC/K45FL/K47GF
LA	Monroe	K59GI 27=>59	UT	Ogden	KTLE-LP 39=>51n
MD	Hagerstown	W42CK 16=>42		Salt Lake City	K18FJ 36=>18n
ME	Dover	W27CE 19=>27			KEJT-LP 48=>50z
MN	St. James	K30FN 32=>30+	WI	Waupaca	W66DC 55=>66-

K18DM (Santa Clara, UT)'s application to move to channel 36 was dismissed at the applicant's request.

Technical changes on the air

St	Ch	Call	City	What happened
AK	13-	KIMO	Anchorage	move 20km north; increase power 38=>316KW; increase tower height 221m

CA	51z	KUSI-TV	San Diego	move a few meters southwest; decrease power 2880->2820KW & increase tower height 579->584m; switch from horizontal polarization to elliptical
FL	43+	NBSF	Melbourne	move a few meters southeast; decrease power 4170->2240KW; increase tower height 299->303m.
FL	25z	WPBF	Tequesta	increase tower height 453->455m and go from horizontal polarization to elliptical.
LA	45+	KSHV	Shreveport	move 6km northwest; increase power 1660->2950KW and tower height 159->507m.
MA	27z	WUNI	Worcester	correct coordinates to 42-20-09/71-42-57.
MO	5-	KSDK	St. Louis	decrease tower height 332->327m.
OH	18-	WHIZ-TV	Zanesville	switch from horizontal polarization to circular & correct coordinates to 39-55-42/81-59-07.
PA	57z	WPSG	Philadelphia	decrease power 5000->3470KW; increase tower height 353->359m; go from horizontal polarization to elliptical
SC	10-	WIS	Columbia	correct coordinates & tower height to 34-07-29/80-45-23 & 471m.
TN	45z	WTCI	Chattanooga	increase power 1480->1550KW & tower height 276->329m.
TN	30z	WLMT	Memphis	decrease power 5000->3020KW & increase tower height 305->340m; move about 15km north-northeast.
TX	19+	KVCT	Victoria	correct coordinates to 28-46-37/96-57-45; decrease power 155->151KW.

New stations on the air or requesting operating license

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
HI	66z	95.5	632	KPKO	Kaneohe	21-19-49	157-45-24
MN	26+	16.2	141	KPTC	Bemidji	47-28-07	94-49-23
ND	26+	741	300	KNDX	Bismarck	46-35-23	100-47-39
ND	24z	741	239	KKND	Minot	48-03-14	101-26-03
NM	14-	5000	376	KAPX	Albuquerque	35-24-44	106-43-32
NY	67+	38.9	160	WNWS	Springville	42-24-16	78-39-53
PR	46-	12.8		WIDP-1	Las Palmas	18-01-59	66-07-09

WIDP-1 is a "booster", similar to a translator but operating on the same channel (though ironically in this case, a different offset) as its primary.

New DTVs on the air:

KPHO-DT	17	Phoenix, AZ	KSDK-DT	35	St. Louis, MO
KSAZ-DT	31	Phoenix, AZ	KTVI-DT	43	St. Louis, MO
KCAL-DT	43	Los Angeles, CA	KMOV-DT	56	St. Louis, MO
KCOP-DT	66	Los Angeles, CA	WCNC-DT	22	Charlotte, NC
KTXL-DT	55	Sacramento, CA	WCCB-DT	27	Charlotte, NC
KXTV-DT	61	Sacramento, CA	WTVD-DT	52	Durham, NC
KNTV-DT	12	San Jose, CA	WCPO-DT	10	Cincinnati, OH
KICU-DT	52	San Jose, CA	WKYC-DT	2	Cleveland, OH
WSVN-DT	8	Miami, FL	WOIO-DT	10	Shaker Heights, OH
WFLA-DT	7	Tampa, FL	KFOR-DT	27	Oklahoma City, OK
WRTV-DT	25	Indianapolis, IN	WPXI-DT	48	Pittsburgh, PA
WNDU-DT	42	South Bend, IN	KRIV-DT	27	Houston, TX
WMAR-DT	52	Baltimore, MD	KOMO-DT	38	Seattle, WA
WBAL-DT	59	Baltimore, MD	KPDX-DT	48	Vancouver, WA
WCBB-DT	17	Augusta, ME			

New LPTVs on the air:

WTZT-LP 11	Athens, AL	W46CR	Saginaw, MI
W24CK	Selma, AL	K65DT	Walker, MN
K08MD	Arroyo Grande, CA	K48FV	Joplin, MO
K56GC	El Centro, CA	K43EQ	Amarillo, TX
K14IG	Santa Maria, CA	K55HV	Del Rio, TX
K28GE	Woodland Park, CO	K69IB	El Paso, TX
W47AL	Orlando, FL	K55HW	Laredo, TX
WFNA-LP 32	Atlanta, GA	K68FU	Laredo, TX
W32CC	Savannah, GA	K58FS	Longview, TX
K62EF	Honolulu, HI	K36EW	College Place, WA
W34CK	Arlington Heights, IL	K28FT	Walla Walla, WA

Call changes

Was:	Now:	City:	Ch:	Was:	Now:	City:	Ch:
W27BH	WWBH-LP	Mobile, AL	27	K52GF	KHLC-LP	Hobbs, NM	52
K19DD	KPHE-LP	Phoenix, AZ	19	K35FN	KYRK-LP	Las Vegas, NV	35
K41EN	KPSW-LP	Phoenix, AZ	41	W66CH	WLOT-LP	Watertown, NY	66
K50FB	KPSE-LP	Palm Sprs, CA	50	KWMJ	KGEB	Tulsa, OK	53
K32ES	KSBT-LP	S Barbara, CA	32	W59CW	WREY-LP	Ceiba, PR	59
K23EV	KFNT-LP	S Diego, CA	23	CKRS-TV	CKTV-TV	Jonquiere, QU	12
K27FQ	KFRE-LP	Tulare, CA	27	CKRS-TV-1	CKTV-TV-1	St.-Fulgence, QU	27
K57HR	KXTU-LP	Colo Sprs, CO	57	CKTV-TV	CKCK-TV-7	Ft. Qu'Appelle, SK	7
W35AJ	WSPF-LP	St. Petersbg., FL	35	K46FO	KBSP-LP	Big Sprs., TX	46
WWAZ-LP	WAZE-LP	Evansvsl., IN	52	K35EU	KHCC-LP	C Christi, TX	35
WGRB	WWWB	Campbellsvl, KY	34	K63EU	KADM-LP	C Christi, TX	63
KFAM-LP	KAGN-LP	Crowley, LA	65	K30FF	KFTN-LP	La Feria, TX	30
K58FI	KFAM-LP	L Charles, LA	58	K47EB	KPTR-LP	Lamesa, TX	47
K34EX	KESI-LP	Kalispell, MT	34	K28FL	KIKE-LP	McAllen, TX	28
K35EZ	KEXI-LP	Kalispell, MT	35	K32ER	KSFE-LP	McAllen, TX	32
W60BT	WHOA-LP	Raleigh, NC	60	K67HC	KLIA-LP	McAllen, TX	67
WSSN-LP	WILM-LP	Wilmington, NC	10	K55GJ	KRYM-LP	Raymondv, TX	55
K30FH	KLCP-LP	LasCruces, NM	30	K25ES	KDVI-LP	S Antonio, TX	25
K29BD	KAPT-LP	Alamogdo., NM	29	K49FI	KSGD-LP	Seminole, TX	49
K59GL	KCGD-LP	Carlsbad, NM	59	K54GD	KWGD-LP	Welch, TX	54
K34FJ	KCVP-LP	Clovis, NM	34				

Many of the Texas changes are not official yet.

Programming changes

Call	Location	Programming
W26BT	Atlanta, GA	new, HSN.
WEIL-LP [54]	Effingham, IL	sold to WBUI [23], WB/UPN.
KFAM-LP [58]	Lake Charles, LA	new, Family Net. (Ex-K58FI)
WDWO-LP [44]	Detroit, MI	sold to WAQP [49], TBN.

KWYI-TV [25]	Saginaw, MI	adds WB to NBC.
XHCNL [34]	Monterrey, NL	adds XHTV [4] programming overnight.
K21DT & K24CT	Alamogordo, NM	sold to KWBO [19], WB.
KTEL-LP [53]	Albuquerque, NM	Briefly added UPN to Telemundo, but now back to only Telemundo.
K32EK	Ardmore, OK	sold to KSBI [52].
KENY-LP [4]	Reedville, OR	sold to KWBP [32], WB.
W63CQ & W65DQ	Clarksville, TN	sold to Pax, to translate WNPX [28]?
K25FW	Corsicana, TX	new, to be Spanish-language videos.
K32ER	McAllen, TX	returns to the air with FTN.
KZMC-LP [35]	McAllen, TX	adds 3ABN to Pax.
WTNW [14]	Arlington, VA	from PSN to AIN independent.
W49BN	Huntington, WV	sold to Pax, to translate WLPX [29]?

Forum & Other Stuff

Thanks to John Broomall, Bill Hepburn, Keith Smith, Neil Kazaross, Fernando Garcia, Jeff Kitsko, Jeff Kruszka, Tom Yingling (via Tom Bryant) and Chip Kelley for information appearing elsewhere in this column.

Fernando saw an item on the Televisa web page indicating XHTV [4] now has a few full-time relayers elsewhere in Mexico, and many stations relaying their programming part-time, including his local XHCNL 34. Many of the call changes in South Texas were seen by Fernando on a FTN network ID. They aren't official yet, but the FCC has been very slow to report call changes.

An email from non-member John Moody (who saw my Web page) indicates that several Quincy, Illinois LPTV CPs (channels 34/36/45/49/53/61/63/65/67/69) will likely never be built. It appears their applications specified the KHQA [7] tower - without KHQA's knowledge or permission. Judging from the situation, it appears likely other "wireless cable" LPTV applications were similarly filed without the permission of the tower's owners. Don't be surprised to see more of these disappear...

The Commission's action in approving the transfer of WQEX [16] Pittsburgh to Cornerstone, and of Cornerstone's WPCB [40] to Pax, has raised a bit of controversy. In the decision, the FCC indicated that non-commercial educational stations are required to devote at least half their airtime to programming that is instructional (used in the regular program of an educational institution) or generally educational. And, they ruled that while programming that serves to educate on religious subjects is considered educational, religious programming does not automatically qualify.

Cornerstone had already indicated a willingness to modify the programming of WPCB to ensure a majority of airtime is used for educational programs. They also cited (and the FCC did not disagree with Cornerstone's assessment) Bible study programs from Oral Roberts University and "programming that teaches children morals and values for living in a community" as qualifying educational programming.

Some religious broadcasters have still taken offense at the FCC's statements. There seems to be some feeling (not justified, in my opinion) that the ruling breaks new ground; that it attempts to restrict the ability of religious TV stations to deliver their message; and that it could have a chilling effect on religious radio stations.

In fact, the FCC's regulations have long stated (at least since 1978) that non-commercial reserved TV allocations are to be "...used primarily to serve the educational needs of the community". (emphasis mine) It certainly seems reasonable to interpret this as meaning at least 50% of programming must be educational! The ruling also makes it clear that programming that serves to educate on religious precepts qualifies as educational. Finally, it's important to note that the rules for non-commercial TV are different from those for radio. Non-commercial radio stations do not have to meet any criteria for educational programming; it is only necessary that the station's overall operation advance an educational program.

A bit of skip (just a bit!) this month, and an even smaller bit of tropo, though folks along the Gulf have done better. Good DX!

Special Report: Class A TV & the CBPA of 1999

Remember the good old days, when there were only two kinds of TV stations? (TV stations, and TV translators) Then, there were low-power TV stations, better known as LPTVs. About a year ago, we had to begin to worry about digital TV stations. Now, we have yet another type - the "Class A TV station".

On November 29, Congress enacted the "Community Broadcasters Protection Act", or CBPA. This law requires the FCC to, by the beginning of April, establish regulations to create a Class A TV license. This new type of license will be available to qualifying LPTV stations. Holders will be subject to the same license terms and renewal standards as full-power licensees.

They will also have the same primary status as full-power licensees. Currently, LPTV stations are "secondary" to full-power, and DTV, operations. For example, there was a LPTV station WS9AW operating on channel 59 in Nashville; it was forced to move to channel 68 when new full-power station WNAB came on the air on channel 58 here. If WS9AW had been a Class A station, WNAB would not be allowed to displace it - it would have had to find another channel.

DTV has been a special threat to LPTV operations; as you know if you've been reading the VUD for awhile, hundreds if not thousands of LPTV stations have been forced to change channel to accommodate new DTV operations. The pending removal of channels 60-69 from TV service has also threatened to shut down LPTVs. Of the eight LPTV stations licensed to Nashville, four have moved or will move to new channels.

Eligibility for Class A status:

The CBPA makes Class A status available to any LPTV that:

- Broadcasts at least 18 hours a day.
- Broadcasts at least 3 hours a week of programming produced within the station's "market area".
- and -
- From the date of applying for a Class A license, complies with all operating rules for full-power stations except those with which it cannot comply due to its low power.

The FCC may set conditions to allow additional stations to qualify for Class A status.

Technical parameters:

For the most part, there aren't any. From a technical standpoint, a Class A station is simply a LPTV. The only difference is in what happens if someone wants to build a full-power station that would interfere with it.

The CBPA does prohibit the FCC from granting Class A licenses for operation in channels 52-69. These are the channels that are to eventually be auctioned for other services.

Conflicts with DTV:

Technical changes to existing full-power NTSC and DTV stations will not be permitted if they would cause interference to an existing Class A station. However, many stations have filed DTV applications specifying less than the maximum power possible on their channel, planning to increase power later as the number of DTV receivers in place justifies the added expense. This later power increase could become impossible if a Class A station were in the way. So, the CBPA provides for "maximization" of DTV facilities.

Stations were required to file a notice of intent to maximize their facilities by the end of 1999. They are also required to file a formal application for the increased facilities by May 1 of this year. One might expect to see an increase in the number of applications to modify DTV construction permits.

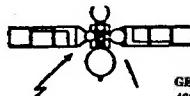
Conclusion:

There are still a lot of uncertainties about the new Class A service. Judging from a reading of the FCC's Public Notice, it looks like the CBPA was written rather vaguely and without fully understanding what they were trying to accomplish. The Commission is trying to determine exactly what Congress was telling them to do, and one might expect further changes.

Stay tuned!

Doug Smith, W9WI
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098

SATELLITE NEWS



GEORGE W JENSEN
4604 ANNNTANA AVE
BALTIMORE MD 21208-4220

After a few months of very little, there is now much to look at. Also my 4DTV receiver was unknown to me, to be on the fritz - not taking selective downloads. Several reports from Jeff Kitsko started me to wonder. Many thanks to Jeff for his input on the massive changes on the Anik birds - much of that will be in the next column. I now have an additional MPEG receiver which will add to channels available, once I figure out how to get it to work. And now to some REAL changes.

Satcom C1

7 - delete Fox Sports West - is now FX Channel - East VC2

Satcom C4

102 - Encore Plex - West

Galaxy 1

600 - Food Network

601 - Do It Yourself

Satcom C3

11 - delete - Fox Sports Network (most Fox Sports Channels will soon disappear)

781 - Direct To You - Infomercials

960 - MC - Folklorico

961 - MC - Boleros

962 - MC - International Love Songs

963 - MC - Brazilian Pop

964 - MC - Brazilian Beat

Telstar 7

feeds on many channels - will also have (has) compressed video on XPDR 2, 3, and 4)

24 - Exxcite VC2

Ku-Band is active with feeds

Satmex 5

789 - Clase - Classroom (for kids)

The Ku side of this satellite IS ACTIVE

Anik E1 - there is no regular C- Band noted - just occ. feeds

Anik E2 - Ku-Band - the 200 and 300 channels

200 - Viewer's Choice Preview Channel

205 - 220 - Viewer's Choice Pay-Per-View 1 - 16 - East

235 - 241 - Viewer's Choice Pay-Per-View 11 - 17 - West

260 - Canal Indigo Preview Channel

265 - 268 - Canal Indigo Pay-Per-View

290 - HDTV - East

291 - HDTV - West

299 - Star Choice Information Channel

300 - CBHT - Ch 3 - Halifax, Nova Scotia (CBC)

301 - CBMT - Ch 6 - Montreal, Quebec (CBC)

302 - CBLT - Ch 5 - Toronto, Ontario (CBC)

305 - CBKT - Ch 9 - Regina, Saskatchewan (CBC)

306 - CBRT - Ch 9 - Calgary, Alberta (CBC)

307 - CBXT - Ch 5 - Edmonton, Alberta (CBC)

308 - CBUT - Ch 2 - Vancouver, British Columbia (CBC)

310 - CJON (NTV) - CH 6 - St. John's, Newfoundland (CTV)

311 - CJOH - CH 13 - Ottawa, Ontario (CTV)

312 - CFDF - CH 12 - Montreal, Quebec (CTV)

313 - CFTO - CH 9 - Toronto, Ontario (CTV)

315 - CKCK - Ch 2 - Regina, Saskatchewan (CTV)

316 - CKY - Ch 7 - Winnipeg, Manitoba (CTV)

317 - CFCN - Ch 4 - Calgary, Alberta (CTV)

318 - CFRN - Ch 3 - Edmonton, Alberta (CTV)

319 - CHAN - CH 8 - Victoria/Vancouver - British Columbia (CTV)

320 - CHEK - Ch 6 - Victoria, British Columbia (CTV)

321 - Vancouver TV - East

322 - Vancouver TV - West

- 330 - CIHF - CH 8 - St. John's New Brunswick/Halifax, NS (Global)
- 331 - CIII - CH 6 - Toronto, Ontario (Global)
- 335 - CKND - CH 9 - Winnipeg, Manitoba (Global)
- 336 - CKVU - CH 10 - Vancouver, British Columbia (Global)
- 340 - Atlantic Satellite Network
- 341 - ATV - CJCH? - CH 5 - Halifax, Nova Scotia (CTV)
- 342 - CHRO - CH 5 - Pembroke, Ontario
- 343 - CFMT - CH 47 - Toronto, Ontario
- 344 - CITY - CH 57 - Toronto, Ontario
- 345 - CHCH - CH 11 (ONTV) - Hamilton, Ontario
- 346 - CKVR - CH 3 - Barrie, Ontario
- 347 - A Channel CH 9 - CJAL? - Edmonton, Alberta
- 348 - CICT - CH 2 - Calgary, Alberta
- 349 - CITV - CH 13 - Edmonton, Alberta
- 350 - Aboriginal Peoples Television Network (APTN)
- 351 - Access Alberta
- 352 - Saskatchewan Commercial Network
- 353 - TV Ontario - CICA - CH 6 - Toronto, Ontario
- 354 - Knowledge Network

more next month on this bird

GE Americom 1

9 - Fox Sports Net VC2

607 - delete Hero Teleport PAL Color

Spacenet 4

delete - 2 - Starz Theme East

4 - Westerns - East 11 Starz east and 18 -Starz West
they go to Galaxy 6

17 - Starz - East VC2

18 - Starz - West VC2

19 - Starz Theme East VC2

20 - Encore Westerns - East VC2

23 - delete - XHUPN - Tijuana/San Diego

Telstar 5 - All of the Nebraska ETV feeds have now moved here and are using XPDR 4

Galaxy 7

22 - delete CBS News Channel

400 delete - Classic Sports

Telstar 402

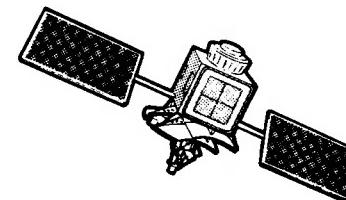
delete 12 - Exxcite VC2 - now on new T7

GE Americom 3

delete the Nebraska, PBS/ETV Feeds - moved to Telstar 5

That's all for this month - see you in 30 and good DX

George



FMNEWS

FEBRUARY 2000

Most of the information appearing in this column is courtesy of:

M STREET JOURNAL - 54 MUSIC SQUARE EAST SUITE 201 - NASHVILLE, TENN. 37203
PHONE: (609) 883-3321, FAX: (609) 883-5696, E-MAIL: MstreetTom@aol.com

KEY TO ABBREVIATIONS:
 &: satellite programming
 AF: New frequency allocation accepted for filing for a new FM license
 AFA: American Family Association
 CC: call letter change
 CL: city of license change
 CX: a construction permit has been canceled
 C1,C2,etc.: a change in status to that FM license class
 DA: directional antenna
 DE: station has been deleted
 FC: format change
 GA: granted amendment to the table of FM allocations
 GE: granted extension of construction permit



U.S.A.

ALABAMA:

Florence: WXFL 96.1 PG> 20.5 kW, 781', C2, XC: 34-54-17 / 87-24-02
 Holly Pond: WFMH 95.5 PC> 6 kW

ALASKA:

Houston: KADX 94.7 adds Howard Stern

ARIZONA:

Arizona City: KBZR 106.5 FC to modern rock // KEDJ (Phoenix)
 Holbrook: *** 98.5 PA: add class C1
 Prescott: KPUB 102.7 QC from 89.3, PC> 6 kW, 299 ft.
 Show Low: KNAA 90.7 PG> 300w
 Wickenberg: KMYL 105.3 FC to Spanish (Phx)
 Willcox: KWCH 104.9 QC from 98.3, now 730w, C2, DA, 3175', XC: 32-13-01 / 109-36-26



EDITOR: GREG CONIGLIO
 90 SLATE CREEK DRIVE APT. #3
 CHEEKTOWAGA, NEW YORK 14227
E-MAIL: coniglio@localnet.com
WEB: <http://www.geocities.com/~wgrc>

CX: granted replacement of expired permit	PG: power change granted (">" for increase, "<" for decrease, when known)
LC: license to cover filed (means station is ready to come on air)	QC: frequency change occurred
MC: multiple-city legal ID	QG: frequency change granted
NC: no change yet on a reported change/permit	RA: silent station returns to air
ND: non-directional antenna	RE: station requests extension on permit
NO: not on the air	RX: station requests replacement of expired permit
NS: new station granted	SG: slogan change or update
NW: new station signs on	SI: station is silent
OSA: one-step application	XA: dismissed amendment to FM allocations
PA: proposed amendment to change FM table of allocation	XC: transmitter site change occurred
PC: power change on the air for increase, "<" for decrease, when known)	XG: transmitter site change granted

ARKANSAS:

Camden: KAMD 97.1 PC> 50 kW, 456 ft, XC: 33-30-14 / 92-48-38
 Conway: KUCA 91.3 FC to classical
 Dumas: KXFE 106.9 RA with black gospel "Heaven"
 E.Camden: KCXY 95.3 PC> 100 kW, 456 ft.
 Hamburg: KHMB 99.5 FC to JRN soft AC "K-Lite"
 Hampton: KKOL 106.5 QC from 107.1, FC to JRN oldies "Cool"
 Mtn Home: KOMT 107.5 PC< 90 kW, 1017 ft.

CALIFORNIA:

Arcadia: KLYY 107.1 FC to Spanish-CHR "Viva 107" (Los Angeles)
 Fallbrook: KSYY 107.1 FC to Spanish-CHR // KLYY 107.1 (Escondido)
 Gaviota: *** 101.1 PA: add class A
 Hams Station: KYCE 90.1 CC (NS)
 Happy Camp: K208DU 89.5 NS-10w: KVIP 98.1
 Hemet: *** 102.5 PA: add class A
 Imperial: KMXX 99.3 PG> 6 kW, 302 ft, XC: 42-03-25 / 91-41-42
 Modesto: KEJC 93.9 PC> 4 kW, 403 ft, DA
 Modesto: KJSN 102.3 dec. to 289 ft, XC: 37-40-50 / 120-55-26
 Mojave: *** 96.1 PA: add class A
 Morro Bay: KLMM 94.1 CC (ex KBZK) "La Maquina Musical"
 Paso Robles: KLUN 103.1 CC (ex KBZX)
 Seaside: KTEE 103.9 CC (ex KISE)
 Ventura: KVYY 107.1 FC to Spanish-CHR // KLYY 107.1
 Weaverville: KAWX 103.1 NW, country "B 103.1"

FM NEWS PAGE 2

California:

Weed: KWHO 102.3 PC> 15.5 kW, 1942 ft, XC: 41-21-30 / 122-12-21

COLORADO:

Canon City: KTLC 89.1 PG> 520w, 1476 ft, XC: 38-45-21 / 105-13-02

La Junta: KTHN 92.1 CC (ex KBLJ), FC to Radio one CW

Wray: KATR 98.3 PC> 100 kW, 554 ft, C1, CL: Otis, CO

FLORIDA:

Beverly Hills: WGUL 106.3 PG> 10.5 kW, 505 ft, XC: 28-38-28 / 82-26-14

Columbia City: *** 96.5 GA: add class A

Fernandina Beach: WFBJ 105.3 CC (NS)

Holly Hill: WEAZ 88.1 NW, cont. Christian // WPOZ

Jacksonville: WNCFM 88.1 PC> 8 kW, 495 ft, class C3, DA

Pensacola: WBGP 98.7 PG 43 kW, 525 ft, XC: 30-35-30 / 87-26-50

Port St. Joe: WEBZ 93.5 FC to urban

Union Park: WPOZ 88.3 PG< 1.8 kW (h), 1253 ft, ND, XC: 28-36-07 / 81-05-37

GEORGIA:

Montezuma: WEGF 95.1 CC (NS)

IDAHO:

Wallace: KQWK 97.5 XA for Lolo, MT, C2

ILLINOIS:

Des Plaines: WYLL 106.7 inc. to 423 ft.

Kankakee: WRZA 99.9 PA: to class B - Park Forest, IL

Mt.Olive: WAOX 105.3 LC

Oregon: WSEY 95.7 NW, oldies (Rockford)

INDIANA:

Indianapolis: WICR 88.7 dec. to 915 ft, XC: 39-53-58 / 86-12-02

Lowell: WZVN 107.1 XC: 41-21-10 / 87-24-11

Muncie: WWDS 90.5 PC> 100 kW, 172 ft,

Rushville: WRCR 94.3 inc. to 561', XC: 39-42-22 / 85-29-41

IOWA:

Cedar Rapids: KZIA 102.9 inc. to 853 feet, XC: 42-03-25 / 91-41-42

Des Moines: KIOA 93.3 PG< 82 kW, 1066 ft, class C1, XC: 41-37-55 / 93-27-26

KENTUCKY:

Drakesboro: WNTC 103.9 NW, sports // WNSR

Hawesville: WXCM 97.1 PC< 4 kW, 403 ft, DA, XC: 37-41-50 / 86-59-28, CL: Whitesville, KY

McKee: WWAG 107.9 PG> 3.9 kW, 410 ft.

LOUISIANA:

Alexandria: KEDG 106.9 LC

Jackson: WBJJ 104.5 NW, urban AC

Port Sulphur: KKND 106.7 drops Howard Stern

Simmesport: *** 105.3 PA: add class A

Tallulah: *** 97.5 PA: add class A

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MAINE:

Brunswick: WCLZ 98.9 FC to hot AC "Point" Portland: WBLM 102.9 dec. to 1427' XC: 43-55-29 / 70-29-29

MARYLAND:

Salisbury: WSBY 98.9 FC to urban AC "Magic 98.9"

MICHIGAN:

Albion: WUFN 96.7 inc. to 472 ft, PG> 3.2 kW, 456', DA Burton: *NS 89.7 1 kW, 177 ft Iron Mtn: WVCM 91.5 CC (ex WBMU)

MISSISSIPPI:

Bay Springs: WKZW 94.3 GA: to Ellisville, MS Byhalia: WYKL 94.9 CC (ex WYLT) "K-Love" Columbus: WMBC 103.1 FC to CHR McLain: WXAB 96.9 RA with oldies (8) Oxford: WLQJ 93.7 PC< 13 kW, 456 ft Water Valley: WLXP 105.5 inc. to 328 ft, XC: 34-12-45 / 89-44-49



MISSOURI:

Arnold: KGNA 88.9 CC (ex KCWA), FC to Moody Bible religion // KGNV Buffalo: KBFL 99.9 FC to standards (&) Cameron: KKWK 100.1 CC (ex KNOZ) Fayette: KSSZ 93.9 CC (ex KLSC) "Kiss" Malden: KLSC 92.9 CC (ex KMAL)

MONTANA:

Billings: KGHL 98.5 CC (ex KIDX) Glendive: KDZN 96.5 adds WW1 cntry (&) Great Falls: KGF1 88.9 NS-115w(v) Plains: KPLG 91.5 PC> 1.8 kW, class C1, XC: 47-22-22 / 114-51-31

NEBRASKA:

Auburn: KNCY 94.7 QC from 105.5

NEVADA:

Battle Mt: K220HU 91.9 NS-13w(v): KEFX-ID Las Vegas: KVBC 105.1 FC to Romantica (8) Logandale: K216EV 91.1 NS-43w(v): KILA 90.5 Reno: KRVN 101.7 FC to Romantica (8)

NEW HAMPSHIRE:

Gorham: WXLQ 107.1 FC to info.classical // WEVO (changing to non-commercial 1/13/2000, PC> 6 kW) Manchester: WRND 91.7 reported SI (returning license to the FCC)

NEW MEXICO:

Las Cruces: KMNB 89.7 CC (ex KBOU) "Moody Bible Network" Maljamar: KWVM 105.1 dec. to 924 ft, C1, XC: 32-52-50 / 103-41-01

CD★100**NEW YORK:**

Binghamton: WCDW-1 100.5 NS-250w
 Jewett: WAXK 97.9 PA: to Windham, NY
 Minerva: *** 100.7 PA: add class A
 Phoenix: WRDS 102.1 inc. to 266 ft.
 Ravena: WKLI 94.5 FC to Christmas music
 Sylvan Bch: WBGJ 100.3 LC
 Watertown: WWJS 90.1 CC (NS)

NORTH CAROLINA:

Goldsboro: WEQR 102.3 PG< 2.1 kW, 561', XG: 35-23-52 / 78-08-07
 Hatteras: WWOC 94.5 NW, CD Country (&) Jacksonville: WXQR 105.5 FC to rock "Rock 105"
 Roanoke Rapids: WPGT 91.1 CC (ex WXQD)

OHIO:

Akron: WAPS 91.3 PG> 2 kW, 348 ft, DA, XG: 41-03-53 / 81-34-59
 Lebanon: WYLYX 97.3 PC> 5 kW, 358 ft, XC: 39-16-53 / 84-21-11
 Lima: "NS" 89.3 3 kW, 220 ft.
 Lima: WTGN1 97.7 NS-49w
 Willard: WLRD 96.9 NW, southern Gospel

OKLAHOMA:

Comanche: KDDQ 97.1 reported SI
 Durant: KAYC 91.1 PG<500w, 302 ft, XG: 34-01-17 / 96-28-18
 Magnum: KHIM 104.3 XA to class A

PENNSYLVANIA:

Meadville: "NS" 91.9 4.4 kW, 308 ft (Moody)

SOUTH DAKOTA:

Freeman: KVCF 90.5 9 kW, 807' (VCY Amer.), CC (NS)

TEXAS:

Abilene: KKHR 106.3 OSA to 98.1 - C1, PG> 100 kW, 319', XG: 32-30-38 / 99-44-29
 Amarillo: KMXJ 94.1 CC (ex KBUY) "The Mix"
 Brownwood: KPBE 89.3 LC
 Carrizo Spgs: KCZQ1 92.1 NS-250w
 College Stn: KEOS 89.1 PC> 1 kW (v)
 Eagle Pass: KINL 92.7 PC> 20 kW, class C, XC: 28-43-57 / 100-29-34
 Haltom City: KKMR 93.3 CC (ex KKZN) "The Merge" (Dallas)
 Hempstead: KEZB 105.3 LC
 Lampassas: KJFK 98.9 PA: to class C1, Leander, TX
 Pampa: "NS" 88.1 AF
 Pearland: "NS" 104.1 PA: from class A to C1
 Sanger: KMRR 104.1 CC (ex KXZN) "Merge"
 Stephenville: KSTV 93.1 to change formats
 Wake Village: KHTA 92.5 CC (ex KBHA)
 W. Odessa: "NS" 88.7 100 kW, 426 ft

**UTAH:**

St. George: KSNN 93.5 PC< 2.4 kW, 1893 ft, class C2, XC: 36-50-49 / 113-29-28 (xmtr in AZ)

VIRGINIA:

Cheriton: "NS" 106.1 PA: add class B1

WASHINGTON:

Seattle: KYCW 96.5 FC to 80's hits "The Point"

WEST VIRGINIA:

New Martinsville: "NS" 92.3 1.8 kW, 453 ft.

WISCONSIN:

Chetek: WATQ 106.7 FC to Christmas music
 Sturgeon Bay: WSRG 97.7 adds JRN AC (&)

WYOMING:

Douglas: KDUW 91.7 CC (NS)
 Sheridan: KZWW 94.9 PC> 63 kW, 1207', class C
 Thayne: *** 106.7 GA: to 105.9 - C1

PUERTO RICO:

Camuy: WDIN 102.9 FC to tropical "Dimension"

**CANADA****BRITISH COLUMBIA:**

Dawson Creek: "NS" 95.1 1.8 kW wanted // CHRX-FM

Houston: "NS" 106.5 923w, // CFBV

Vancouver: CFSR 104.9 PG< 14 kW (reflects "as-built parameters")

MANITOBA:

The Pas: "NS" 96.1 42w native stn wanted

NEW BRUNSWICK:

Moncton: "NS" 96.9 new country stn wanted: 100 kW

Moncton: "NS" 100.9 new religious station wanted, 50 watts

Moncton: "NS" 105.9 new religious station wanted, 50 watts

Moncton: "NS" 99.9 FF stn wanted, 45 kW, another app is for CHR (EE), at 9.5 kW

St. John: "NS" 92.5 new campus stn wanted at 50 watts

St. John: "NS" 97.3 new EE stn appl: 55 kW

St. John: "NS" 96.1 relig stn wanted: 50 w

St. Stephen: "NS" 98.1 new EE stn wanted: 40 kW

Shediac: "NS" 99.9 FF comm. Station wanted at 49.7 kW, exclusive with Moncton apps

NORTHWEST TERRITORIES:

Yellowknife: "NS" 93.3 104w French stn wanted

NOVA SCOTIA:

Cole Harbour: "NS" 106.9 new English community stn appl: 50 watts.

ONTARIO:

Windsor: "NS" 1484.208 (DAB), 4.369 kW at current CIDR site. To carry: CKWW 580, CKLW 800, CIMX 88.7, CIDR 93.9

QUEBEC:

Alma: CKYK 95.5 wants 95.7, 100 kW, XG at 30 kW

Matane: "NS" 105.3 new FF adcon stn wanted
 Matagami: "NS" 99.9 new FF community stn wanted, 50 watts

SASKATCHEWAN:

Beardy's 1st Nation: "NS" 97.3 27w, // CJLR-FM

N. Battleford: "NS" 97.9 100 kW contemporary format stn wanted

N. Battleford: "NS" 94.7 49w, // CJLR-FM

Prince Albert: "NS" 101.5 100 kW country stn wanted

**MÉXICO****AGUASCALIENTES:**

Aguascalientes: XHUZ 105.3 power is 10 kW

Aguascalientes: XH?? 107.7 "La Poderosa"

COAHUILA:

Saltillo: XH?? 100.1 "Coahuila Classical Radio Tecnológico"

Saltillo: XHZCL 106.5 "La Comadre"

JALISCO:

Guadalajara: XHRA 89.9 "Magia Digital"

Guadalajara: XHGEO 91.5 "Factor 91"

Guadalajara: XHP1 93.1 "Satelite FM"

Guadalajara: XHDK 94.7 "Tequila FM"

Guadalajara: XHAV 100.3 "Super Stereo"

Guadalajara: XHMA 101.1 "EXA"

Guadalajara: XEHL 102.7 "103 Radical"

Guadalajara: XH?? 105.1 classical "Millennium"

Guadalajara: XHVOZ 107.5 "La Nueva 107.5"

NUEVO LAREDO:

Monterrey: XHUNL 89.7 SI for months now

Monterey: XHSR 97.3 SG "EXA"

SAN LUIS POTOSI:

San Luis Potosi: XHUSP 88.5 classical "R. Universidad"

San Luis Potosi: XHSS 91.9 "La Potosina"

San Luis Potosi: XHNSP 97.7 "La Caliente"

San Luis Potosi: XHQK 98.5 "La Comadre"

San Luis Potosi: XH?? 105.7 "Norteño de Corazon"



PHOTO-NEWS

Jeff Kruszka, Editor
5024 S. Braxton Ave.
Baton Rouge, LA 70817
JTKruszka@worldnet.att.net

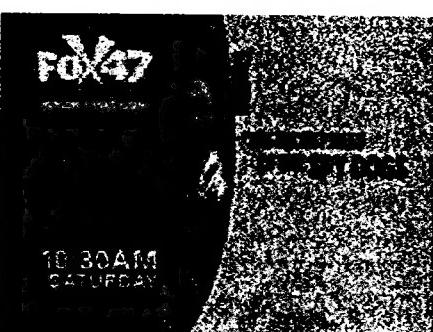
February 2000

This month we have DX photos from Matt Sittel in his newest location, Bellevue, NE:

Equipment: Winegard PR-9032 UHF antenna @35' AGL with CP-4800 preamp, Winegard PR-5030 VHF antenna @32' AGL.



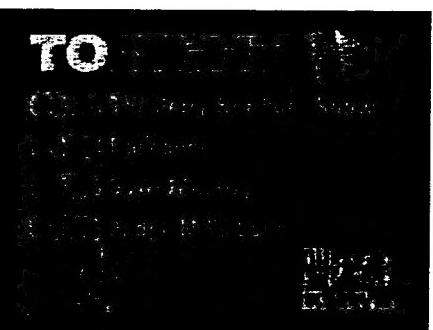
WYOW-34 Eagle River, WI
466 mi Tr seen 11/13/99
@0659 CST



WMSN-47 Madison, WI
355 mi Tr seen 7/24/99
@0657 CDT



WDJT-58 Milwaukee, WI
432 mi Tr seen 7/24/99
@0929 CDT

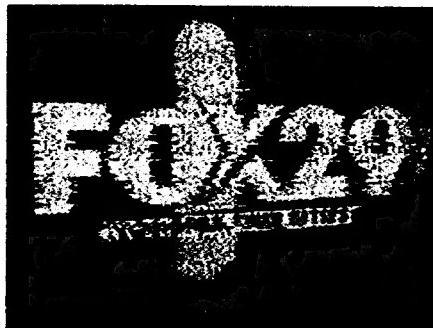


KMWB-23 Minneapolis, MN
309 mi Tr seen 7/28/99
@1747 CDT

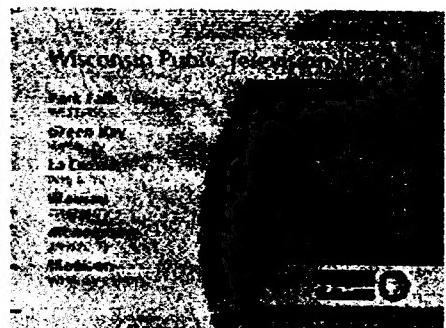
Photo News

February 2000

Page 2



WFTC-29 Minneapolis, MN
309 mi Tr seen 7/28/99
@1759 CDT



WHLA-31 La Crosse, WI
299 mi Tr seen 11/13/99
@0659 CST



WKOW-27 Madison, WI
358 mi Tr seen 11/11/99
@2128 CST



More of Matt's photos next month.

73's,
Jeff



Coop's cable column

**bob cooper editor in chief
CATJ**

The 40db Overpass

Reprinted with Permission of Bob Cooper

In March of 1964 while I was it was gone. cavorting around Central California A few nights later as we were with my partner John Markovich of heading back into Merced, I repeated Fresno, looking for CATV franchises the channel 29 search and sure to pick up, we often hauled along a enough, every mile or two it popped then popular GE black and white in for a few seconds and then went portable receiver with its ever-in- out just as fast. On a hunch, I asked attendance battery pack and cigarette John to slow down when he lighter DC connector. In those days approached the next overpass (that of franchise hunting, battling and in- went over Hwy99). John had learned fighting, a person trying to corner to live with my idiosyncrasies many CATV franchises often found himself years before (he once obliged me by at two of three city council meetings dismantling his entire ham station and a week and as many Kiwanis or packing it into the back of my station Rotary or other civic group meetings wagon for a trip to a mountain peak "talking up cable". So while John and in Yosemite National Park, never I would prowl Los Banos, Merced, asking why?) And so as we Atwater, Turlock and dozens of other approached the next highway bridge familiar central California towns, the he slowed to a crawl.

ever faithful GE portable receiver "Pull over on the center would sit on the front seat of his or median," I directed. Signs posted my Impala humming away on its everywhere said "Do not stop on built-in loop antenna (for UHF) or its Center Median" of course. At a snails rod antenna for VHF.

It was on one of those nameless nights while heading out of Merced after yet another city council meeting that I turned on the GE seat-set and switched to Ch30 from Fresno on the continuous tuner. We were about 55 miles out, but the high elevation and power of then KFRE-TV was always reliable along Hwy 99 as we started driving back north to our home base in Modesto. Reaching over to fiddle with the continuous tuner to sharpen up the picture, I noticed an adjacent channel beat; which was channel 29 in Bakersfield, some 150 miles south. It locked into sync and had almost no snow on the picture but before I could point it out to pilot John, the signal was gone. I swept the continuous tuner back and forth looking for the picture for a couple of miles more and every 60 seconds or so there it was, often almost snowfree, and then in a second or so both were brought back to reality by

the flashing red lights of a California Highway Patrol car.
You fellows have car trouble?" asked the big guy.

John beckoned to me to respond, and I did by launching into a detailed explanation of who we were, why we were in Merced that night to pursue the cable television franchise, and then I motioned for the officer to "come and see ch29 in Bakersfield."

He declined and recited section this and statute that of the California penal code, or something equally unimaginative and ended by telling us to get our \$%&* off the center median.

We obliged. The middle of Hwy 99 would have made a lousy headend site anyhow.

In the ensuing months, I outfitted my Impala with every imaginable form of car-top antenna for VHF and UHF, and I went into the underpass searching business. I found that if the underpass "more or less" faced towards the desired station (i.e. the road going through the underpass more or less pointed at the desired station), there were situations where UHF signals were enhanced by as much as 40db if the "probe antenna" was situated in the area of maximum excitation. In some highly favorable situations, high band signals came up by 30db and in the best cases, depending of the design of the underpass, the low band signals would be 20-22 db stronger in the underpass-excitation area as they would be anywhere else in the region.

The effect was not limited to underpasses. I once found a farmer's barn (constructed of metal) which produced 35db of enhancement for an optimum-directed UHF signal; but the farmer was less than understanding about my probing in his milk stalls.

John, never one to complain, stayed in the car probably wondering how long it would take the state hospital to realize I had escaped. Presently we

Not all underpass (or overpass grape vineyard.. Would you believe there...now if we can just figure out which depends upon where you are that California was spending up to a what it is you have done and how when you name it) bridges have the quarter of a million dollars for a you are doing!"

Alas, as I approach 40 years of age the dreams of my youth ("Every CATV system in the nation will need at least one underpass antenna") have also matured. I no longer expect one day to retire to a concrete plant to turn out CATV underpasses. Which is of course why I relate this story now.., perhaps someplace out there we have a young man with visions, riding around in his Impala just looking for something to set the CATV world on its ear. To this young man I offer the following advice:

"Purchase a battery/DC operated portable receiver. Set it on the front seat of your car. And start driving in and around underpasses. Make notes of all you observe and then design yourself (our) underpass antenna. There is at least 40db of gain at UHF out there waiting for some enterprising person with a few hundred tons of concrete and some metal super structure to invest in the project."

And now if you could just figure out a way to hang an underpass several hundred feet above ground..boy, what signals you would get!

end of the underpass (i.e. the end On a few brave occasions I have furthest back from the signal source), ventured into the subject of bridge followed usually by a 10-15db dip in enhancement with a few people level, and this would in turn be whom I felt in advance would be at followed by wavelength-separated least understanding enough to hear sub-peaks in level, each progressively me out. One suggested I had a weaker as you exited out the back of the parabolic effect (not so) while the underpass and moved away from second suggested the bridge was the signal. Out in front of the really a horn antenna in disguise. I underpass (i.e. just ahead of the didn't buy that one either.

bridge between the signal source and On quiet nights in mid-winter when the bridge proper) there was typically the snow has been falling outside, I

have on a couple of occasions buried

For a number of years I harbored myself in the basement workshop the youthful belief that "someday I with copies of Jasik and crew antenna would go into the Underpass engineering handbooks, looking for Antenna Construction Business." some logical explanation to the This was about the time in our observed effect. After all, 40db of industry when Hosken Dew Line gain at UHF is not to be sneered at, Parabolic antennas were springing up nor is 30db at high band or 20-22 db all across the nation, and the industry at low band. I have yet to find the was "turned on to" big, monstrous explanation and there is no (pardon tag California was then paying for the up the observations. As the President typical highway four-lane-wide of under/over pass on the theory that Siliconix, Inc. once said to me about one might simply build a Japanese active-JFET amplifier I had copy overpass in the middle of a designed, "you certainly have a suitably chosen (i.e. quiet location) great deal of empirical evidence



**The World's
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Dxers**

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W.T.F.D.A.

This means YOU!



LAUGH TIME...

I've always admired cartoonists. Whether they draw Mickey for Disney or Bill Clinton for The New York Times, most of the people who create these things are brilliant. Their zings don't miss much of anything. Whether on film, in comic strips, or single features, they have made us laugh at ourselves and our antics for years. From political shenanigans to sports frenzy, to potholes big enough to swallow a VW beetle, to frenzied activist groups...no target is sacred...nothing is safe. One of the most fascinating things about cartoons is that for the most part they are timeless. This 1966 sketch for an RCA advertisement could just as easily have been drawn in 2000.



WESTERN TV-DX

February 2000

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805)687-7803

This report is for December 1999. In a month usually devoid of tropo from San Diego/Tijuana TV & FM (up to 200 mi), there has been some though not at summer levels. Maybe La Niña? December is usually rainy and blustery, but not this year; things have been mild and mostly calm. Weather fronts came through, but with no rain until December 31.

Dec 1:	None (Cold wx front Nov.30)
Dec 2 am:	Very poor
Dec 2 eve-4:	None (Windy Dec 3 am)
Dec 5:	Very poor
Dec 6-7 am:	Poor
Dec 7 noon-8:	None (Windy Dec 7 noon)
Dec 9:	Poor (Cold wx front Dec 7 night)
Dec 10-11:	None
Dec 12-13:	Poor, deteriorating (Cold front Dec 13)
Dec 14-16am:	None
Dec 16eve-18:	Very poor
Dec 19eve-20:	None
Dec 21:	Very poor
Dec 22-28:	None
Dec 29:	Poor
Dec 30:	Poor, deteriorating
Dec 31:	None (Some rain showers)

On the relatively improved tropo on Dec 18-19 & 29 was apparent CCI under local K49EK.

Another left-over from Wasco: An interesting situation with Ch 55 & 56, both NTSC LPTVs, with same city of license, Fresno. According to Doug Smith & Fred McCormack, my new Ch. 55 of Mar 27 & May 14 & after (consistent in Wasco), in Aug-99 WTVDX, is K55IM Fresno (ACN shopping). Older K56DZ Fresno (TBN) still exists (not consistent, in on tropo only). Both are approx 100 mi from Wasco. Their xmtrs are 23 mi from each other & still transmit generally west to Fresno with directional antennas.

Best of DX to all.
Dennis

Mike Cherry VE7SKA, Box 631 Ganges PO, Salt Spring Is. BC V8K 2W2 CANADA

January 2000 UTC
02F2 2042-2053 ZL video 255° 45.240/250/260
03Es 2030 KREG 3 CO 130°

The New Zealand video on .240 was strong enough (S5 - S7) to produce some video modulation. Condx today have been very strange with extremely small footprints noted at both path ends to this region.

Victor Frank
12450 Skyline Blvd.
Woodside, CA 94062-4554
e-mail frank@horizon.sri.com
(650)851-7031

Fernando Garcia, San Salvador 415, Rincon de la Sierra Cd Guadalupe, NL, 67181 MEXICO
ac001984@acnet.net,
FTD is furthest tropo of the day.
TSLD Total of stations logged of the day.

Equipment: Sony KV-27EXR15, Screened CM 7'dish 85', RG11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60' 1800' ASL.
No re-logs in the same month, only tropo 500+ miles.

December 1	CST		
0630 KXTX	39 TX Dallas		518
December 3			
0700 KDTX	58 TX Dallas		518
	TSLD:TX-2		
December 4			
1700 FTD	39 TX Dallas		518
	TSLD:TX-1		
December 7			
0300 WOPX	56 FL Melbourne		1189
	WAXX	55 FL Leesburg	1180
	WBHS	50 FL Tampa	1116
	WTIA	38 FL St. Petersburg	1116
	WFTS	28 FL Tampa	1116
	WMOR	32 FL Lakeland	1135
0315 WPMI	15 AL Mobile		838
	WMPV	21 AL Mobile	842
	KADN	15 LA Lafayette	586
	WDHN	18 AL Dothan	982
	WPAN	53 FL Fort Walton B.	869
	WUPL	54 LA Slidell	705
	WPXL	49 LA New Orleans	688
0330 WMCF	45 AL Montgomery		965
	WNOL	38 LA New Orleans	694
	WTXL	27 FL Tallahassee	1031
	WVLA	33 LA Baton Rouge	633
	WPGA	58 GA Perry	1115
0345 WJTC	44 FL Pensacola		842
	WEIQ	42 AL Mobile	825
	WLAE	32 LA New Orleans	694
	WFXL	31 GA Albany	1066
	KLPB	24 LA Lafayette	567
0400 WGIQ	43 AL Louisville		987
	WMAH	19 MS Biloxi	770
	WSWS	66 AL Opelika	1023
	WGNO	26 LA New Orleans	694
	KWBJ-LP	39 LA Morgan City WB	618
0415 WPGX	28 FL Panama City		952
	WFSG	56 FL Panama City	929
0430 WLTZ	38 GA Columbus		1036
	WLPB	27 LA Baton Rouge	638
	WXXV	25 MS Gulfport	764
0600 WMAU	17 MS Bude		697
	KLPA	25 LA Alexandria	619
	KARD	14 LA West Monroe	659

continued on page 29...
23

NORTHERN FM DX

FEBRUARY 2000

DEADLINE: The 5th of the month before publication
LOG CUTOFF: 4 months from postmark
COLUMN REPORTING AREA: See map to the right
 (also includes Europe & Asia)



Another small column, with a not a whole lot of activity. Despite this, John Ebeling and Steve Solomon check in both with some impressive Es and Tr catches. There were signs of winter Es picking up to usher in the year 2000, so perhaps there will be more Es reports in March. If you heard some DX, let's hear from you!

JOHN EBELING - 9209 VINCENT AVE S - BLOOMINGTON, MINNESOTA 55431
 Internet: jebeling@aol.com

DX FROM BLOOMINGTON, MINN.

March 14, 1999 TR

1951'WORO'87.9 MN Mpls area V polarization only

August 18, 1999 TR

1921 KQKK 101.9 MN Walker 168

October 25, 1999 TR

1514 WKFX 99.1 WI Barron 'The fox'

26 TR

2030 KFML 94.1 MN Little Falls 94

99.7 KY

Note 1: Thru semi-local KOWZ. WCMP was on 92.1, forced to change freq some time ago & I finally logged them on new freq. of 100.9

Note 2: These 3 'pirates' were on for 2 days playing Christmas music only. Seemed to tie in with KSMN 1530 AM in Shakopee, MN. Announced locations of pirate xmters as noted above. Also mentioned tie in with a St. Cloud station, WVOJO-1230.

Note 3: Another tough catch thru semi-local KCHK in New Prague.

Should also note that, thru the help of Fernando Garcia, a 1998 catch of XHRY 90.1 in Reynosa TM was identified by him on a tape I had sent him. Thanks, Fernando. Anyway, this is from the home base in Bloomington, MN and I will try & maintain the same spacing in all items. I decided to enter (& count) a pirate station that was on for 1 day back in March. They were talking about St. Urho's day (a mythical Finnish St). They used fake call of "WORO".

Best regards and a Happy New Year to you & yours.

John Ebeling
 Bloomington, MN

EDITOR: GREG CONIGLIO
 90 SLATE CREEK DRIVE APT. #3
 CHEEKETOWAGA, NEW YORK 14227
 E-MAIL: coniglio@localnet.com
 WEB: <http://www.geocities.com/~wgrc>

FEBRUARY 2000

NORTHERN FM DX

STEVEN SOLOMON - 31 VERNON ST. #4 - HYANNIS, MASSACHUSETTS 02601
 Equipment: Yamaha T-85 w/5 filter modifications, Channel Master 4408 at 20', all IDs are recorded.
 E-mail: mcv@makkayradio.com (508) 771-8053

SEPTEMBER 1999 DX

2 TR (Hurricane Dennis)

0753 WLAN	96.9 PA Lancaster	350
0759 WMGS	92.9 PA Wilkes-Barre	350
0825 WDAC	94.5 PA Lancaster	350
829 (WGCB)	96.1 PA Red Lion Oldies	96.1 360

2037 WMGK 102.9 PA Philadelphia
 Over local WPXC

2049 WLIR 92.7 NY Garden City

Over local WMVY

2052 WRTN 103.9 NY New Rochelle
 Over local WYST

3 TR

0040 WOCT	104.3 MD Baltimore	
0052 WVMX	106.5 MD Baltimore	
0100 WRXZ	107.3 DC Washington	
0113 WDSC	92.9 SC Dillon Calls are for AM..Anyone help??	701
0130 WASH	97.1 DC Washington	

0135 WAFL 97.7 DE Milford Eagle

0735 WIYY 97.9 MD Baltimore 98 Rock

0736 WJFK 106.7 VA Mannasas

Howard Stern

0748 WJJZ 106.1 PA Philadelphia
 Over local WCOD

0753 WJZW 105.9 VA Woodbridge

0800 WXCY 103.7 MD Havre de Grace

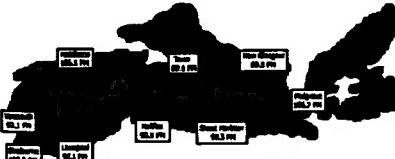
0806 WXYV 102.7 MD Baltimore

0828 (WGAY) 99.5 DC Washington

Jammin' Oldies

0832 WHFS 99.1 MD Bethesda
 Over local WPML

0838 WPST 97.5 NJ Trenton rare



SEPT. 4 TR

1225 CIFA	104.1 NS Yarmouthtown "Digby"	
mention		
1233 CBAF-9	107.3 NS Yarmouth French mono	

DECEMBER 1999 DX

9 TR

1800 WAFFX	106.9 VA Suffolk	The Fox
1812 WERO	93.3 NC Washington	Bob
1827 WQDR	94.7 NC Raleigh	
1834 WYND	97.1 NC Hatteras	
1837 WWOC	94.5 NC Hatteras Water Country	
0800 WKPK	97.1 MI Detroit Howard Stern	700

23 Trs

0120 WEZN 99.9 CT Bridgeport
 local WQRC off

JANUARY 2000 DX

5 ES

2150 KTCO	98.9 MN Duluth	Hot Country
		1200

2155 WIMK	93.1 MI Iron Mountain K-Rock	
		970

2200 WZNL	94.3 MI Norway 2.4 kW	
2205 WDOR	93.9 WI Sturgeon Bay	

2207 KQDS	94.9 MN Duluth KQ95	
2208 WOFM	94.7 WI MosineeOldies station	

// 99.9		
2221 KTCZ	97.1 MN Minneapolis Cities	97
2222 WYTE	96.7 WI Whiting	Y96.7

2224 WJJH	96.7 WI AshlandBay	
Broadcasting mention		

2224 KXXR	93.7 MN Minneapolis	
2235 WSPT	97.9 WI Stevens point	93X

2337 WNCY	100.3 WI Neenah	
2343 KXLP	93.1 MN New Ulm	

2247 KMXK	94.9 MN Cold Spring	
Oldies 94.9		

2248 WOLX	94.9 WI Baraboo	
0717 WSNY	94.7 OH Columbus Sunny	94.7

GREG CONIGLIO - 90 SLATE CREEK DR #3 - CHEEKETOWAGA, NEW YORK 14227

Equipment: 98 Subaru Legacy car radio. AGL Internet: coniglio@localnet.com

JANUARY 5, 2000 ES

Dxing in Cheektowaga & Williamsville, NY (Interstate 90)

1835 Noted IDs on 95.5 & 93.3 Jamestown, ND, and unID 97.9 religion (Fargo, ND?)

SOUTHERN FM DX



For Dxers in AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MS, NC, NV, OK, SC, TN, TX, UT, VA, WV, Cuba & Mexico

John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
Jpzondlo@aol.com
Deadline: 10th

February 2000

Pat Dyer - WASIYX
5315 Silvertip Drive
San Antonio, TX 78228-2744
pjdyer@swbell.net
<http://home.swbell.net/pjdyer/index.html>
CDT

Realistic TM-1001 tuner (2 IF mod w/150 kHz filters) into Allied 426, (loaned) Kenwood KRC-605 w/RDS feature, 52 ohm step-attenuator box used to reduce local intermod/overload when needed, 6 element Archer antenna at 20' with rotor

5/8 Tr
0644 KUEZ 99.3 TX Lufkin, ID 265
0659 KSMB 94.5 LA Lafayette, ID 387
5/15 Tr
2236 KRUF 94.5 LA Shreveport, "The Big Dog" 354
5/17 Es
1302 KOEL 92.3 IA Oelwein, ID, later RDS 986
1303 KITN 92.3 MO Trenton, ID 785
1316 KQWC 95.7 IA Webster City, local ad 937
1320 WOLX 94.9 WI Baraboo, ID 1084
1323 KTIS 98.5 MN Minneapolis, rel. RDS 1113
1328 KSOM 96.5 IA Audubon, area ads 852
1331 KTLB 105.9 IA Twin Lakes, area ads 927
1359 KRXL 94.5 MO Kirksville, "The X," Tri-State 822

5/18 Es
0919 WWRM 94.9 FL Tampa, local ads, "Warm 94.9" 997
0922 WMTX 95.7 FL Clearwater, area ad 974
0924 WWKA 92.3 FL Orlando, local ad 1058
0934 WHTQ 96.5 FL Orlando, ID 1059
0939 WCFB 94.5 FL Daytona Beach, "Star 94.5" 1033

0949 WHOB 95.7 FL Ormond-by-the-Sea, area ad 1054
0953 WTKT 98.5 FL Crystal River, "KTK" 965
0954 WKQL 96.9 FL Jacksonville, "Cool 96.9" 1021
0959 WYYX 97.9 FL Bonifay, area ad 788
1005 WQPW 95.7 GA Valdosta, ID 929
1007 WZZR 92.7 FL Stuart, "ZZR" 1122
1014 WRRX 97.7 FL Micanopy, "97-X" 980
1017 WHTF 104.9 FL Havana, area ad 863
1020 WSIX 92.3 FL Hinesville, area ad 1034
1025 WSEG 104.1 GA Brunswick, "Hot 104.1 Jammin'" 1028

1028 WVOH 93.5 GA Hazelhurst, local ad 966
1058 WKKZ 92.7 GA Dublin, ID 952
1104 WFSJ 97.9 FL St. Augustine, ID 1027
1110 WRNN 94.5 SC Murrells Inlet, Lincolna 1184
1121 WFLB 96.5 NC Laurinburg, ID 1199
1128 WLXK 92.3 VA Roanoke, area wx 1188
1152 WBES 94.5 WV Dunbar, area ad, "B-94.5" 1145

1153 WGKS 96.9 KY Paris, "Kiss FM" 1011
1158 WYNU 92.3 TN Milan, area ad 723
1203 WMXL 94.5 KY Lexington, RDS 1007
1210 WMMG 93.5 KY Brandenburg, area ad 924
1211 WCOL 92.3 OH Columbus, ID, k. 1141
1212 WGY 96.5 OH Hamilton, "Y-96" 1060
1212 WNCI 97.9 OH Columbus, area ID 1142
1219 WLAV 96.9 MI Grand Rapids, ID 1182
1221 CKLW 93.9 ON Windsor, "The River" 1235
1223 WKIX 96.9 NC Goldsboro, "Kix 96.9/101.1" 1232
1224 WJDK 95.7 IL Seneca, area ad 988
1227 WKML 95.7 NC Lumberton, local ad phone # 1 1199
1232 WMUU 94.5 SC Greenville, area ads and phone #s 1199
1234 KAML 96.9 WY Gillette, ID 1092
1243 WGRD 97.9 MI Grand Rapids, town ID 1168
1253 WRJO 94.5 WI Eagle River, area ad 1257
1254 KTCL 93.3 CO Fort Collins, ID 815
1256 KMGW 94.5 WY Casper, "Star 94" 1012
1307 KBKZ 95.5 MN Mora, local ad 1157
1311 KWYV 95.5 WY Casper, ID 1012
1744 WQMX 94.9 OH Medina, ID 1245
1747 WZJM 92.3 OH Cleveland Heights, area ad 1265
1751 WMOJ 94.9 OH Fairfield, area ad 1045
1755 WKDD 96.5 OH Akron, ID 1254
1829 WCLR 95.7 OH Piqua, area ID, o 1097
5/24 Es
1931 XNHF 97.7 NA Tepic, ID 675
2004 XHEQO 90.5 CY Tecoman, estado ID 799
2005 XHPZ 96.7 JA Ciudad Guzman, city ID 735
II
2116 KEEP 98.5 TX Bandera, ID, drifted from 98.3! 40
5/30 Es
1020 KITN 93.5 MN Worthington, ID 985
1030 KSCR 93.5 MN Benson, ID 1108
1038 KKRA 92.3 MN Alexandria, "KK-92" 1150
1903 KQDY 94.5 ND Bismarck, "KQ Country" 1213

The RDS feature finally got to function during an Es event. The Kenwood has a memory feature, though, that will store it until it is "flushed" by a new one (or turned off) so one has to be careful.

Some brief words about the notes concerning ID. ID means that a full call was given. Slogans are given in quotes. Area ads may mean nearby towns or state, region. Internet resources now permit tracing many of those (including just phone #'s), but it also means that a lot more time is also consumed in doing so!

6/1 Es
1823 WTKI 94.5 WI Milwaukee, ID 1110
6/10 Es
1627 WRVQ 94.5 VA Richmond, local ad 1340

Southern FM DX

Dyer continued

1632 WKLR 96.5 VA Fort Lee, "The Planet" 1335
1637 WPVR 94.9 VA Roanoke, "Arrow 94.9," RDS 1188
1640 WJLM 93.5 VA Salem, area ad 1200
1652 WKRR 92.3 NC Asheboro, "Rock 92" 1174
1718 WFLB 96.5 NC Laurinburg, area ads 1199
1722 WARQ 93.5 SC Columbia, "Rock Alternative" 1077
1728 WKIX 96.9 NC Goldsboro, "Kicks," area ads 1232
1738 WQSL 92.3 NC Jacksonville, "Q-92," local ad 1285
1746 WGQR 94.3 GA Martinez, area ad 1011
1749 WKZ 92.7 GA Dublin, ID 952
1750 WSUY 96.9 SC Charleston, "Sunny 96.9" 1140
1751 WTCQ 97.7 GA Vidalia, "98-Q" 976
1752 WJCL 96.5 GA Savannah, local ad phone # 1039
1800 WXLK 92.3 VA Roanoke, "K-92," rk 1188
1804 WKDD 96.5 OH Akron, ID 1254
1805 WSKX 92.3 GA Hinesville, area ad 1034
1826 WMXL 94.5 KY Lexington, local ad 1007
1832 WZRR 92.7 FL Stuart, "ZZR" 1122
1844 WPWF 96.5 FL Miami, "Power 96" 1149
1849 WWXM 97.7 SC Georgetown, "Mix 97.7," area ad 1184
1854 WKLQ 94.5 MI Holland, area ad 1160
1904 CBCL 93.5 ON London, "CBC London" 1334
1909 WBCM 93.5 MI Boyne City, TCM net 1325
1953 WYCA 92.3 IN Hammond, area ad, rel 1044
6/14 Es
1002 WOZZ 93.5 WI New London, ID 1178
6/18 Es
1144 KDSU 91.9 ND Fargo, RDS 1212
1222 QDQY 94.5 ND Bismarck, "KQ Country" 1212
1223 KBYZ 96.5 ND Bismarck, local ad 1189
1225 KGFX 92.7 SD Pierre, "The Fox" 1032
1930 WMTZ 96.5 PA Johnstown, area ad 1340
1941 WCOL 92.3 OH Columbus, ID 1141
1957 WRVQ 94.5 VA Richmond, local ad 1340
2027 WPVR 94.9 VA Roanoke, area ad 1188
6/19 Es
1014 WRJO 94.5 WI Eagle River, ID 1257
1033 WBSZ 93.3 WI Ashland, area ad 1251
6/21 Es
0824 CKLW 93.9 ON Windsor, local ad 1235
0846 WPAY 104.1 OH Portsmouth, ID 1095
0851 WXLK 92.3 VA Roanoke, "K-92," regional ad 1188
0852 WPVR 94.9 VA Roanoke, "The Arrow" 1188
0859 WRRK 96.9 PA Braddock, ID 1295
0903 WWSW 94.5 PA Pittsburgh, "3WS" 1294
0908 WLXK 105.7 KY Eminence, "The X," state ID 982
0915 WRVQ 94.5 VA Richmond, local ad 1340
0915 WGKS 96.9 KY Paris, area ad 1011
0918 WVKY 92.5 OH Toledo, "Kiss FM" 1183
0921 WOVK 98.7 WV Wheeling, ID 1246
0923 WBTU 93.3 IN Kendallville, local ad phone # 1113
0924 WXEF 97.9 IL Effingham, "The X" 875
0925 WULF 94.3 KY Hardinsburg, ID 915
0928 WWKN 104.9 MI Marshall, area wx 1168
0933 WRSW 107.3 IN Warsaw, ID 1082
0940 WQLR 106.5 MI KalamaZoo, "Q-106.5" 1156
0941 WVGR 104.1 MI Grand Rapids, NPR 1167
0941 WEJT 105.1 IL Shelbyville, ID 891
0947 WFRR 105.3 MD Frostburg, area ad, local off! 1318
0948 WKHI 107.5 VA Exmore, area PSA, local off

February 2000

1433 0951 WOOD 105.7 MI Grand Rapids, "EZ 105.7" 1167
0953 WGRD 97.9 MI Grand Rapids, state ID 1168
0956 WLAV 96.9 MI Grand Rapids, state ID 1182
0958 WLHT 95.7 MI Grand Rapids, ID 1178
1001 WCJO 97.7 OH Jackson, local ad 1123
1006 WRAC 103.1 OH West Union, area ad 1072
1016 WQMF 95.7 IN Jeffersonville, "QMF" 940
1017 WCRF 103.3 OH Columbus, ID 1142
1025 WNCI 97.9 OH Columbus, ID 1142
1029 WKDD 96.5 OH Akron, local ad 1254
1031 WNCI 106.1 MI Niles, "CD-106," "The Wolf" 1290
1038 WRQN 93.5 OH Bowling Green, area ad 1177
1040 WVNO 106.1 OH Mansfield, "Mix 106," regional ID 1190
1042 WQMX 94.9 OH Medina, ID 1245
1043 WNWQ 98.5 MI Coldwater, area ad 1154
1044 WBBG 93.3 OH Youngstown, ID 1288
1048 WLQT 99.9 OH Kettering, "Lite 99," area ID 1082
1049 WHKO 99.1 OH Dayton, "K-99.1," regional ID 1079
1051 WYGY 96.5 OH Hamilton, area ad 1060
1053 WOMC 104.3 MI Detroit, area ID 1243
1057 WTKT 94.5 WI Milwaukee, ID 1110
1059 WAJR 103.3 WV Salem, ID 1233
1101 WHMI 93.5 MI Howell, ID 1221
1104 WAQE 97.7 WI Rice Lake, local ad 1167
1106 WCRC 95.7 IL Effingham, local ad 877
1114 WQAL 104.1 OH Cleveland, local ad 1253
1115 KZNZ 105.7 MN Eden Prairie, "Zone 105" 1101
1119 KMFY 96.9 MN Grand Rapids, ID 1260
1120 KSTP 94.5 MN St. Paul, "KS-95" 1118
1125 WCLR 95.7 OH Piqua, area ad 1097
1126 WNCX 98.5 OH Cleveland, area ad 1251
1127 WFMT 98.7 IL Chicago, cx 1052
1128 WUGN 99.7 MI Midland, ID 1241
1129 WNZ 96.9 IL Zion, cx 1080
1132 WWCT 105.7 IL Peoria, "Rock 106," area ad 1274
1136 WMJI 105.7 OH Cleveland, town ID 1254
1149 WAPL 105.7 WI Appleton, area ad 1180
1152 WXLP 96.9 IL Moline, "97-X" 939
1154 WUPS 98.5 MI Houghton Lake, area ad 1274
1158 WZTR 95.7 WI Milwaukee, area wx 1111
1200 WCMW 103.9 MI Harbor Springs, ID 1329
1217 WFDL 97.7 WI Lomira, area ad 1127
1231 WHWL 95.7 MI Marquette, ID, rel 1322
1246 WRJO 94.5 WI Eagle River, ID 1257
1240 KLUC 98.5 NV Las Vegas, ID 1054
6/22 Es
1452 KWST 94.5 CA Brawley, ID, k. "K-West" 1026
1455 KADD 93.5 NV Laughlin, area ad 997
1457 KJUL 104.3 NV North Las Vegas, EL 1079
1500 KVNR 95.5 NV Henderson, ID, later RDS 1054
1520 KXAZ 93.3 AZ Page, local ad 917
1541 KCYQ 93.7 UT Richfield, local ad 1002
1552 KQOL 93.1 NV Las Vegas, local ad 1079
1603 XHSOA 91.5 SO Caborca, "Radio Sonora" 817
1702 KFOX 93.5 CA Redondo Beach, Korean 1199
1703 KLOS 95.5 CA Los Angeles, "LOS" 1187
1712 KMSX 95.7 CA Carlsbad, area ad 1126
1716 KCDZ 107.7 CA Twentynine Palms, "Z-107.7" 1083
1717 KALI 106.3 CA Santa Ana, area ad 1170
1720 KKGO 105.1 CA Los Angeles, area ad 1188
1720 KPLM 106.1 CA Palm Springs, area ad 1079
1721 XHBA 104.1 BCN Mexicali, c piano, 1019
1725 KCBS 93.1 CA Los Angeles, regional ID 1188
1726 KXXZ 95.9 CA Barstow, area ad 1142

February 2000

The Kenwood's 18 memories could be set for the "most likely" channels for quick checking (but the lack of any fine tuning or an s-meter on it was a definite drawback). 73, Pat - WA5IYX



From the Editor

Looks like all is pretty much quiet on the DX front this winter. Several DXers on the WTFDA newsgroup reported Es on lower VHF and barely into FM, but nothing real exciting. Of course, Fernando Garcia had some tropes across the Gulf of Mexico.....must be nice! The good news is, spring and summer aren't far away. Bag that DX and report to SFM! See y'all next month.....

Southern FM DX

Dyer continued

1613 KIQK	104.1	SD	Rapid City, "Kick 104"	1038
1617 KAAQ	105.9	NE	Alliance, local ad	891
1628 KMGW	94.5	WY	Casper, "Star 94.5"	1012
1632 KAML	96.9	WY	Gillette, ID	1092
1635 KTAG	97.9	WY	Cody, local wx	1189
1638 KUAD	99.1	CO	Windsor, "K-99," state ID	847
1640 KHHI	95.7	CO	Denver, "K-High," j	803
1651 KMHK	95.5	MT	Hardin, "The Hawk"	1238
1652 KWYV	95.5	WY	Casper, ID	1012
1718 KRAI	93.7	CO	Craig, local ad	919
1803 KUNV	91.5	NV	Las Vegas, ID	1054

Many mornings in-state tropo probably masked some of the Es (1db capture ratio on the TM-1001), especially with the increasing encroachment of more and more semi-locals here.

A few good catches on June 21 when the locals on 105.3 and 107.5 had an outage! Some more luck with the RDS for idents, but it'd be more productive if more US stations would utilize it. Some would come across with it but no transmitted text! Having to switch the antenna between the two receivers (via a BNC connector to the attenuator pad) hampered things a bit. Also, the tape audio line is only to the TM-1001 so there was always a risk of missing something with it.

...continued from page 23

Western TV DX

F. Garcia's report continues

FTD	FL	Melbourne	1189
TSLD:AL-7,FL-11,GA-3,LA-12,MS-3			

December 8

0230 WGMB	44	LA	Baton Rouge	633
0245 WVMP	36	SC	Charleston	1320
WTGS	28	SC	Hardeeville	1222
KVHP	29	LA	Lake Charles	530
0300 WAPT	16	MS	Jackson	754
WTAT	24	SC	Charleston	1331
0700 KLTL	18	LA	Lake Charles	548
0715 WMGT	41	GA	Macon	1115
2130 K55HW	55	TX	Laredo	131
runnig ID Test pattern				
FTD	SC	Charleston	1331	
TSLD:FL-1,GA-4,LA-6,MS-2,SC-3,TX-1				

December 9

0600 FTD	LA	Lafayette	586
TSLD:LA(1)			

December 19

0745 WTVK	46	FL	Naples	1153
0900 WFTX	36	FL	Cape Coral	1142
WFLEX	29	FL	West Palm Beach	1238
WXEL	42	FL	West Palm Beach	1238
WGCU	30	FL	Fort Myers	1144
FTD	FL	West Palm Beach	1238	
TSLD:FL-5				

December 29

FTD	FL	Lakeland	1135
TSLD:LA-1,FL-3			

December 30

0700 WGBC	30	MS	Meridian	834
WCFT	33	AL	Tuscaloosa	924
FTD				
TSLD:AL-2,LA-11,MS-3				

Southern FM DX

Dyer continued

1727 KWXY	98.5	CA	Cathedral City, area ad	1091
1730 XHAP	95.3	BCN	Tecate, area ad	1091
1734 KTWW	94.7	CA	Los Angeles, regional ad	1187
1735 KBZT	94.9	CA	San Diego, "K-Best"	1126
1735 KEZN	103.1	CA	Palm Desert, "EZ-103," area ad	1091
1736 KIFM	98.1	CA	San Diego, "The Breeze," local ad	1126
1738 KYXY	96.5	CA	San Diego, "Kixy"	1124
1739 KHTS	93.3	CA	El Cajon, area ad	1107
1753 KJLH	102.3	CA	Compton, area ad	1201
1757 KKBZ	92.3	CA	Los Angeles, "The Beat"	1187
1759 XHTIJ	97.7	BCN	Tijuana, ID	1108
1811 KFMB	100.7	CA	San Diego, local ad	1126
1816 KFSD	92.1	CA	Escondido, area ad, cx	1125
1831 KLXK	93.5	CA	Rosamond, "The Quake," area ad	1208
1959 KUWZ	90.5	WY	Rock Springs, Wyoming Public radio ID	1025
2023 KTAG	97.9	WY	Cody, ID	1189
2033 KMGW	94.5	WY	Casper, "Star 94," state ID	1012
2123 KOMP	92.3	NV	Las Vegas, local ad	1089
2130 KLUC	98.5	NV	Las vegas, local ad	1054
2146 KAVS	97.7	CA	Mojave, "Kiss FM"	1204
6/23 Es				
1621 WXLK	92.3	VA	Roanoke, "K-92," rk	1188
6/24 Es				
1853 KOMP	92.3	NV	Las Vegas, ID	1079
1855 KQOL	93.1	NV	Las Vegas, ID	1079
1851 KWNR	95.5	NV	Henderson, ID	1054
1925 KFOX	93.5	CA	Redondo Beach, Korean 1199	
1926 KLAX	97.9	CA	Long Beach, area ad	1202
1927 KLOS	95.5	CA	Los Angeles, ID	1187
1930 KGBT	92.3	CA	Los Angeles, "The Beat"	1187
6/25 Es				
1102 WKRR	92.3	NC	Asheboro, ID, rk	1174
1122 WMGZ	97.7	GA	Eatonton, "Z-97," area ID	945
1132 WXLK	92.3	VA	Roanoke, "K-92"	1188
1132 WPVR	94.9	VA	Roanoke, "Arrow," RDS	1188
1141 WKIX	96.9	NC	Goldsboro, "Kix 96.9"	1232
1655 KLIK	93.5	CA	Rosamond, "The Quake"	1208
1657 KAVS	97.7	CA	Mojave, "Kiss FM"	1204
1713 KLOS	95.5	CA	Los Angeles, ID	1187
1733 KWXY	98.5	CA	Cathedral City, ID	1091
1735 KTWW	94.7	CA	Los Angeles, "The Wave"	1187
1736 KMXZ	94.9	AZ	Tucson, "Mix FM"	757
1738 KCLB	93.7	CA	Coachella, ID	1078
1747 KWST	94.5	CA	Brawley, ID	1026
1757 KPKF	90.7	CA	Los Angeles, ID	1188
1814 KOMP	92.3	NV	Las Vegas, ID	1079
1820 KJZZ	91.5	AZ	Phoenix, distinctive street	839

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SPECIAL REPORT: U.S. FCC OKAYS LOW POWER FM RADIO

Updated 5:03 PM ET January 20, 2000

By Aaron Pressman

WASHINGTON (Reuters) - Radio listeners around the country are likely to hear more alternative music and religious and educational programming this year, as federal regulators approved a new class of low power FM stations Thursday.

The move responds to small communities, churches and other local groups who have said their issues and concerns are being shut out by massive consolidation in commercial radio since Congress lifted ownership limits in 1996.

Just last October, the two largest station owners -- Clear Channel Communications Inc. and AMFM Inc. -- proposed merging to create a radio powerhouse owning more than 800 stations.

As of the end of 1999, the top 10 owners controlled nearly 2,000 stations and 43 percent of the industry's revenues, up from 664 stations and 30 percent of revenues three years earlier, according to a report by Lazard Freres & Co.

On Thursday, the Federal Communications Commission voted 4-1 for a new class of low-power stations, operating at 100 watts or less, that could be used for noncommercial programming.

The low-power stations can reach an audience within a radius of up to 3.5 miles and cost much less to set up than a typical full-power station operating at 6,000 watts or more. FCC officials say hundreds, or perhaps even 1,000, new low-power stations could be shoe-horned onto the airwaves.

But major broadcasters said the new stations would create too much interference with existing FM stations.

The National Association of Broadcasters accused the FCC of choosing the advancement of social engineering over radio spectrum integrity. "NAB will review every option to undo the damage caused by low-power radio," it said in a statement.

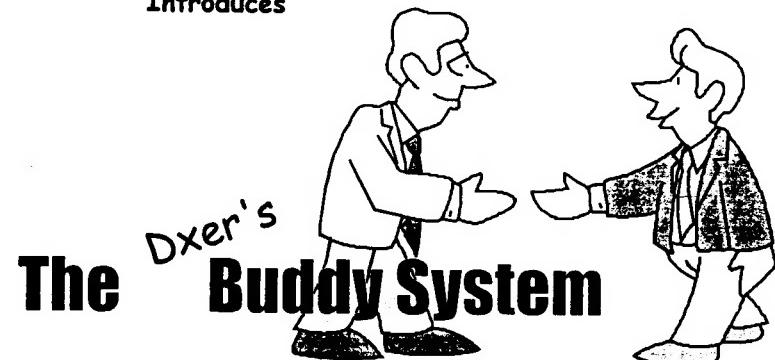
Republican FCC member Harold Furchtgott-Roth, who voted against the plan, described it as "entirely irresponsible" for creating too much interference.

But FCC Chairman William Kennard said extensive studies showed no significant interference. "Low-power FM has been subject to as much testing and analysis and engineering as any broadcasting service that we've ever looked at," he said.

Christopher Ensley, a Lazard Freres analyst, concluded that low-power stations would have minimal economic impact on existing commercial stations. "We do not believe the new ruling will have a material impact on commercial broadcasters," he said in a report.

The FCC initiative is scaled back somewhat from a draft FCC proposal issued in January 1999. That plan could have allowed low power stations of up 1,000 watts, reaching an audience within 10 miles. The earlier plan also left open the question of allowing commercial low-power stations.

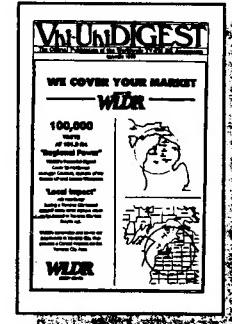
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Your buddy also receives the VHF-UHF Digest for a full year (or longer), which can really make them feel like they belong to the WTFDA. They get on the road to learning even more about the hobby they love, where they can be in touch with other persons that like the same activity they do.

One day, someone might say to you, "Thanks for being my buddy!!"



To get an instruction sheet and form for the Dxer's Buddy System, e-mail marketing team leader Jim Thomas at oldwest@oneimage.com, or, mail him at 280 E. Katsura Street, Milliken, CO 80543

If you'd like to know about someone you can sponsor, e-mail Mike Bugaj at ikon@netcom.com.

The world is waiting for YOU to be someone's buddy!!